

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q95278

Manabu WATANABE, et al

Appln. No.: National Stage of PCT/JP2004/018184

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: June 7, 2006

Examiner: Unknown

For: SURFACTANT TOLERANT CELLULASE AND METHOD FOR MODIFICATION  
THEREOF

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

INFORMATION DISCLOSURE STATEMENT  
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Attorney Docket No. Q95278

filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents (International Search Report for PCT/JP2004/018184 dated March 15, 2005), together with an English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations: English language abstracts, submitted herewith, constitute concise statements of relevance for WO01/90375 and WO00/24879. Furthermore WO01/90375 and WO00/24879 correspond to U.S. 2005/014327 and U.S. 6,921,655. Also WO94/07998, WO98/03667, WO98/11239, WO91/17243, and WO97/43409 corresponds to U.S. 5,792,641, U.S. 6,114,296, U.S. 6,403,362, U.S. 6,277,596, U.S. 5,948,672, U.S. 2001/36910, U.S. 2003/119167, and U.S. 6,270,968. Additionally WO98/03667 and WO91/17243 are cited on page 3 of the specification.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

10/582002

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1AP20 Rec'd PCT/PTO 07 JUN 2006

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

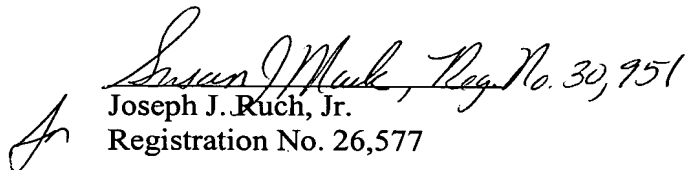
Respectfully submitted,

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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

  
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Registration No. 26,577

Date: June 7, 2006

Substitute for Form 1449 A & B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/582002 PCT/JP2004/018184
				Confirmation Number	Unknown
				Filing Date	June 7, 2006
				First Named Inventor	Manabu WATANABE
				Art Unit	Unknown
Examiner Name					
Attorney Docket Number				Q95278	
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 2005/0143275	A1	06/30/2005	KOICHO MURASHIMA, ET AL
		US 6,921,655	B1	07/26/2005	YUKO NAKAMURA, ET AL
		US 5,792,641	A	08/11/1998	MARTIN SCHUELEIN, ET AL
		US 6,114,296	A	09/05/2000	MARTIN SCHUELEIN, ET AL
		US 6,403,362	B1	06/11/2002	TATSUKI MORIYA, ET AL
		US 6,277,596	B1	08/21/2001	MANABU WATANABE, ET AL
		US 5,948,672	A	09/07/1999	GRETHE RASMUSSEN, ET AL
		US 2001/0036910	A1	11/01/2001	GRETHE RASMUSSEN, ET AL
		US 2003/0119167	A1	06/26/2003	GRETHE RASMUSSEN, ET AL

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		WO	94/07998	A	04/14/1994	NOVO-NORDISK AS	
		WO	98/03667	A	01/29/1998	MEIJI SEIKA KAISHA, LTD.	
		WO	98/11239	A	03/19/1998	MEIJI SEIKA KAISHA, LTD.	
		WO	91/17243	A	11/14/1991	NOVO-NORDISK AS	
		WO	97/43409	A	11/20/1997	NOVO-NORDISK AS	
		WO	01/90375	A1	11/29/2001	MEIJI SEIKA KAISHA, LTD.	Abstract
		WO	00/24879	A1	05/04/2000	MEIJI SEIKA KAISHA, LTD.	Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		B. HENRISSAT, ET AL, "UPDATING THE SEQUENCE-BASED CLASSIFICATION OF GLYCOSYL HYDROLASES", BIOCHEMICAL JOURNAL, Vol. 316, 1996, Pages 695-696	
		DANIEL E. OTZEN, ET AL, "A COMPARATIVE STUDY OF THE UNFOLDING OF THE ENDOGLUCANASE Cel45 FROM <i>HUMICOLA INSOLENS</i> IN DENATURANT AND SURFACTANT", PROTEIN SCIENCE, Vol. 8, 1999, Pages 1878-1887	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

07 JUN 2006

MODIFIED PTO/SB/08 A & B (08-03)

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				First Named Inventor	Manabu WATANABE	
				Art Unit	Unknown	
Examiner Name		Attorney Docket Number	Q95278			
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U.S. PATENT DOCUMENTS					
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		Number	Kind Code <sup>2</sup> (if known)		
		US 6,270,968	B1	08/07/2001	HENRIK DALBØGE, ET AL
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		IORI MAEDA, ET AL, "PURIFICATION AND CHARACTERIZATION OF A CELLULASE FROM THE GIANT SNAIL <i>ACHATINA FULICA</i> ", BIOSCI. BIOTECHNOL. BIOCHEM., Vol. 60, No. 1, 1996, Pages 122-124	
		ELIZABETH J. WATERS, ET AL, "SEQUENCE ANALYSIS OF GRAPE ( <i>VITIS VINIFERA</i> ) BERRY CHITINASES THAT CAUSE HAZE FORMATION IN WINES", J. AGRIC. FOOD CHEM, Vol. 46, 1998, Pages 4950-4957	
		KLAUS KLARSKOV, ET AL, "CELLOBIOHYDROLASE I FROM <i>TRICHODERMA REESEI</i> : IDENTIFICATION OF AN ACTIVE-SITE NUCLEOPHILE AND ADDITIONAL INFORMATION ON SEQUENCE INCLUDING THE GLYCOSYLATION PATTERN OF THE CORE PROTEIN", CARBOHYDRATE RESEARCH, Vol. 304, No. 2, 1997, Pages 143-154	
		F. P. M. O'HARTE, ET AL, "IMPROVED STABILITY, INSULIN-RELEASING ACTIVITY AND ANTIDIABETIC POTENTIAL OF TWO NOVEL N-TERMINAL ANALOGUES OF GASTRIC INHIBITORY POLYPEPTIDE: N-acetyl-GIP AND pGlu-GIP", DIABETOLOGIA, Vol. 45, 2002, Pages 1281-1291	
		Y. ODAGAKI, ET AL, "THE CRYSTAL STRUCTURE OF PYROGLUTAMYL PEPTIDASE I FROM <i>BACILLUS AMYLOLIQUEFACIENS</i> REVEALS A NEW STRUCTURE FOR A CYSTEINE PROTEASE", STRUCTURE FOLD DES., Vol. 7, No.4, 1999, Pages 399-411	

Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.